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LAB N°1018
Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

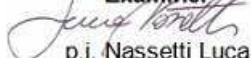
TEST REPORT: 20165397/1

Modena, 28/07/16

CUSTOMER	FLORIM CERAMICHE SPA - - VIA CANALETTO 24 - 41042 - FIORANO MODENESE - MO
MATERIAL and/o SAMPLE to be tested	CERAMIC TILES;
Denomination	SERIE I TRAVERTINI DI REX; ARTICOLO TRAVERTINO GREY GLOSSY; FORMATO 40X80 SUPERFICIE GLOSSY; MARCHIO REX;
Date of sample reception	07/07/2016;
Kind of test executed	Determination of Chemical Resistance – Glazed Surfaces
Referring standards	UNI EN ISO 10545-13:2000
Shifting from standards	No one
Equipment	Forced ventilation stove cod. MCP C43
Calibration	C43: LAT 214-SE-16 of 05/05/16 -
Subcontracted phases	No one
Sampling made by	Customer

*The test results showing in this Report are only referred to the sample taken by our staff or supplied by the Customer. He commits himself to reproduce integrally this document. Partial reproduction is forbidden.
The times of retain of the samples was indicated in the offer related to the test report.*

Examiner


p.i. Nassetti Luca

MODENA CENTRO PROVE

Ceramic Dept. Responsible
P.I. De Pasquale Roberto

MODENA CENTRO PROVE

Director
Sant'Unione dr. Giuseppe



DETERMINATION OF CHEMICAL RESISTANCE – GLAZED TILES

Beginning date : 07/15/2016

Analysis ending date : 07/19/2016

SAMPLE : Ceramic tiles, marked « **SERIE I TRAVERTINI DI REX; ARTICOLO TRAVERTINO GREY GLOSSY; FORMATO 40X80 SUPERFICIE GLOSSY; MARCHIO REX** »

Before carrying out the test, is necessary to carry out the verification of hardness with the pencil, that it comes executed tracing several lines on the surface of the floor tile and then removed with a humid cloth.

- Pencil test HB : Normal classification possible.

Part of the glazed surface is subjected to the action of test solutions and then inspected for visual changes.

RESULTS

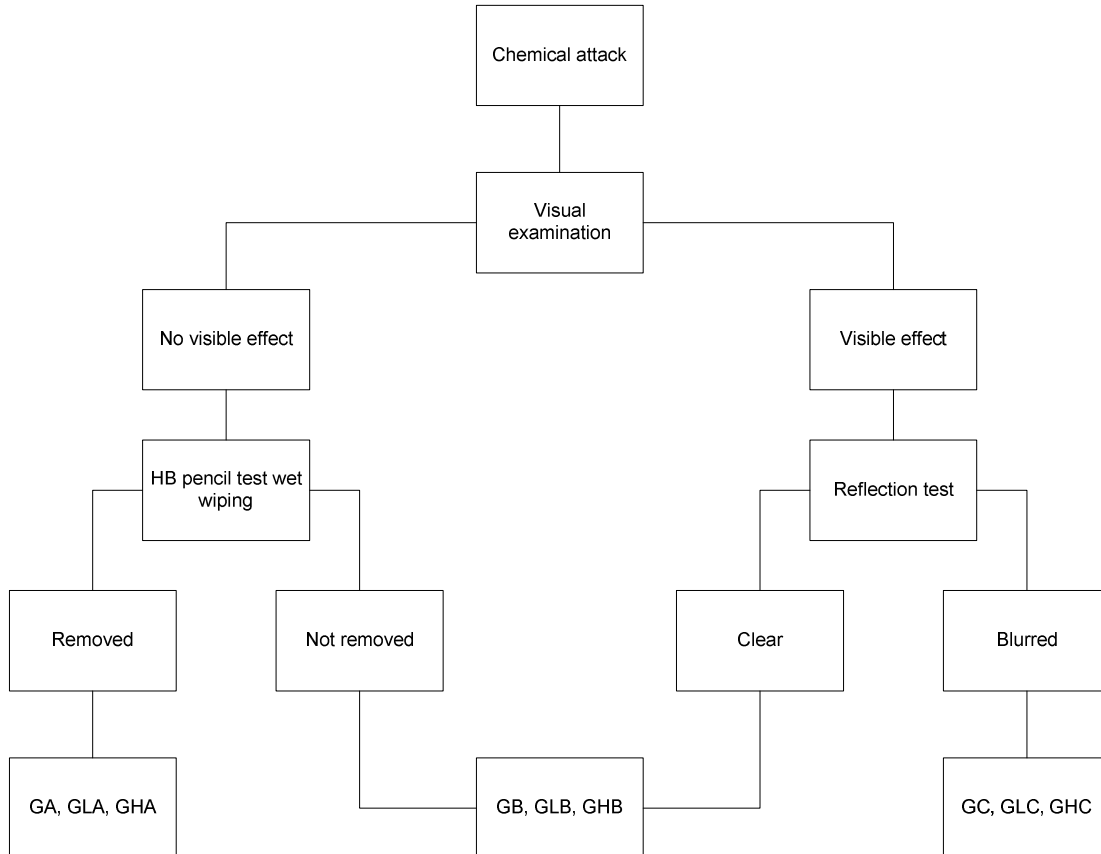
Test Solution	Period of Test	Class of Resistance				
		Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Ammonium chloride 10%	24 h	GA	GA	GA	GA	GA
Sodium hypochlorite 20 mg/l	24 h	GA	GA	GA	GA	GA
Hydrochloric acid 3% (V/V)	4 days	GLB	GLB	GLB	GLB	GLB
Citric acid 10%	24 h	GLA	GLA	GLA	GLA	GLA
Potassium hydroxide 3%	4 days	GLB	GLB	GLB	GLB	GLB
Hydrochloric acid 18% (V/V)	4 days	GHC	GHC	GHC	GHC	GHC
Lactic acid 5%	4 days	GHA	GHA	GHA	GHA	GHA
Potassium hydroxide 10%	4 days	GHB	GHB	GHB	GHB	GHB

Examiner p.i. Nassetti Luca	MODENA CENTRO PROVE Ceramic Dept. Responsible P.I. De Pasquale Roberto	MODENA CENTRO PROVE Director Sant'Unione dr. Giuseppe
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CLASSIFICATION

- Classification for chemical resistance of glazed tiles :



REQUIREMENTS

(Standard EN 14411:2012 Annex G)

- Testing with household chemicals, swimming pool salt : class GB min.
- Testing with products at low acid and alkalis concentration : declared value
- Testing with products at high acid and alkalis concentration : declared value

Examiner

Luca Nassetti
p.i. Nassetti Luca

MODENA CENTRO PROVE
Roberto De Pasquale
Ceramic Dept. Responsible
P.I. De Pasquale Roberto

MODENA CENTRO PROVE

Giuseppe Sant'Unione
Director
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